

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

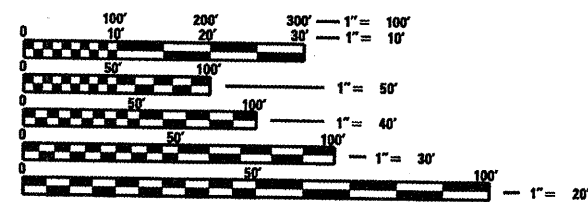
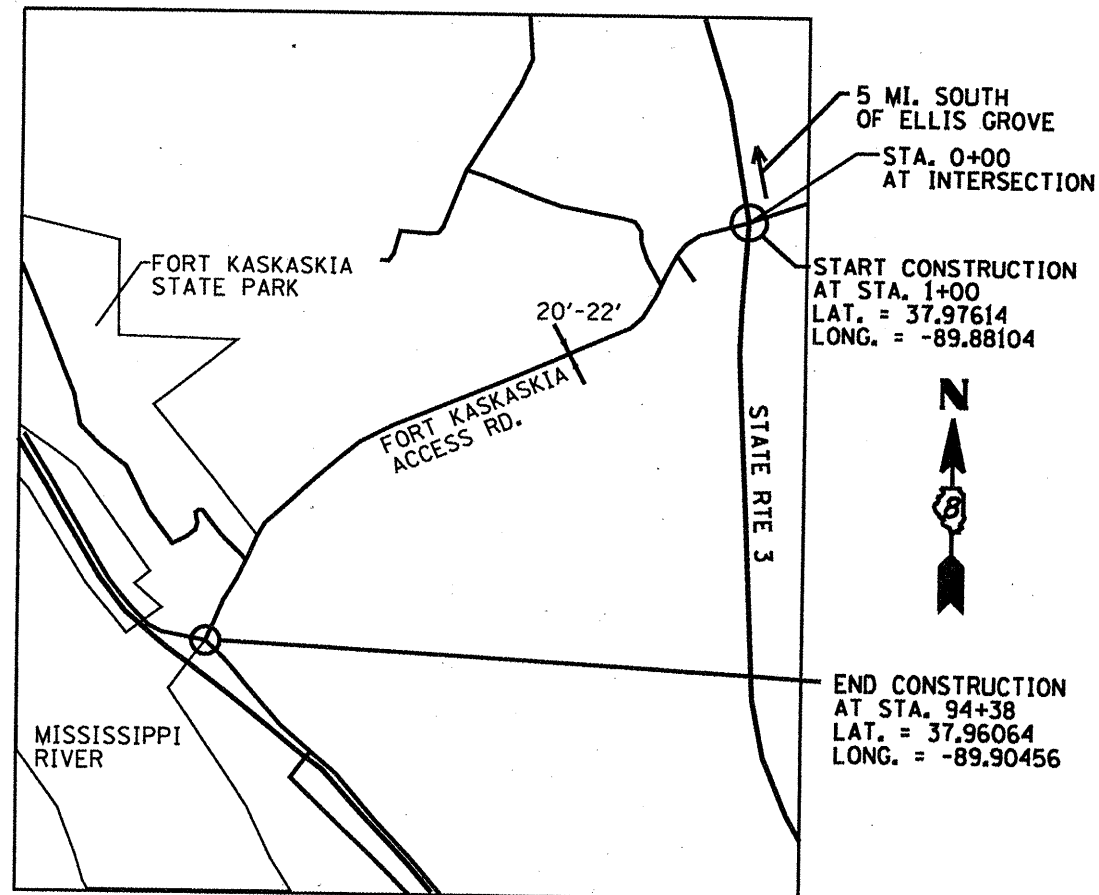
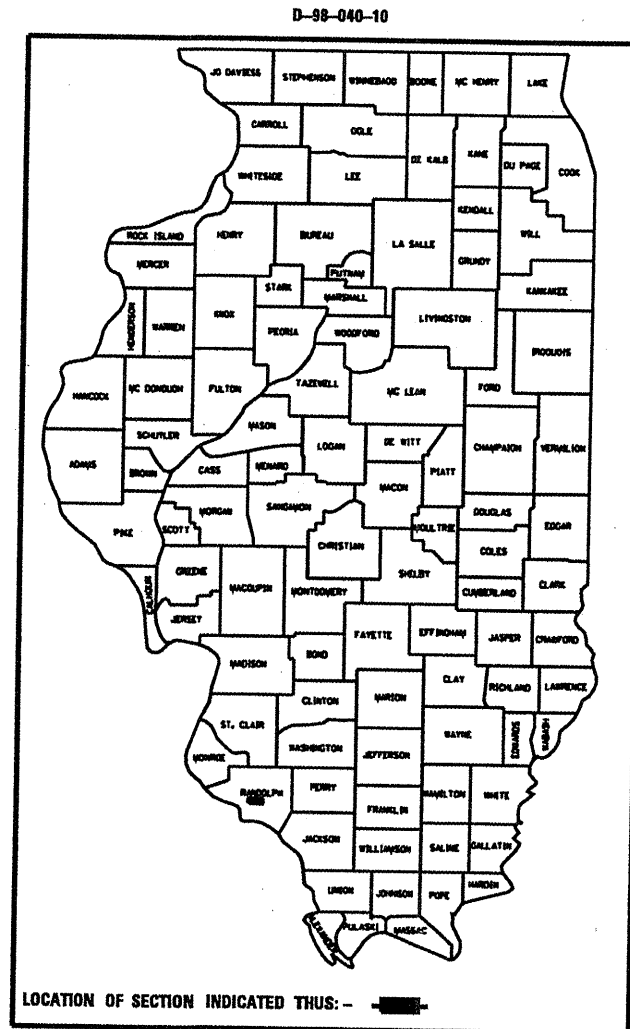
**PROPOSED
 HIGHWAY PLANS**

OR ROUTE 859 (FT KASKASKIA RD)
 SECTION 9Q-1-RS
 PROJECT: ACRS-0157 (043)
 HOT-MIX ASPHALT OVERLAY
 RANDOLPH COUNTY

C-98-053-10

OR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
859	9Q-1-RS	RANDOLPH	8	1
		ILLINOIS	CONTRACT NO. 76D72	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

2010 ADT - 300 (EST)
 2009 ADT - 300 (ACT)
 SU = 3.0%
 MU = 1.0%

GROSS LENGTH = 9338 FT. = 1.76 MILE
 NET LENGTH = 9338 FT. = 1.76 MILE

PROJECT ENGINEER: TIM PADGETT (618)346-3155
 PROJECT MANAGER: JOHN BRANDON (618)346-3352

CONTRACT NO. 76D72

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED January 27, 2010
William C. Jamie
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19, 2010
Scott E. Stitt, PE, IA
 ACTING ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

GENERAL NOTES

- IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- EXCESS BITUMEN REMOVAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- THE USE OF VIBRATORY ROLLERS IS PROHIBITED IN RESIDENTIAL AREAS. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE BITUMINOUS PAVEMENTS AS SPECIFIED IN THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS.
- THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - VERIZON NORTH, INC., COMMUNICATIONS (ABOVE AND BURIED)
 - AMERENIP, GAS & ELECTRIC (ABOVE AND BURIED)
 - CITY OF CHESTER, GAS (BURIED)
 - CITY OF CHESTER, WATER & SANITARY SEWER (BURIED)

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- PAVEMENT MARKING SHALL MATCH EXISTING MARKINGS SEE PAVEMENT MARKING SCHEDULES.
- EDGE LINES WILL NOT BE NECESSARY WHEN STRIPING DUE TO LOW ADT AND LANE WIDTHS.

TRAFFIC CONTROL

- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
- ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. (48X48)
- FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.

STANDARDS

- 701201-03
- 701306-02
- 701311-03
- 701901-01
- 780001-02

701326-03

COMMITMENTS

NONE

MIXTURE REQUIREMENTS

ROUTE	OR 859
SECTION	90-1-RS
COUNTY	RANDOLPH
CONTRACT	76072

DESCRIPTION:	3P - FT KASKASKIA ROAD
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ADT (Construction Yr):	300
MU%:	1
SU%:	3
20 YR. ESAL'S:	0.03

MIXTURE USE	SURFACE	LEVEL BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION		IL 9.5
(GRADATION MIXTURE)		
FRICTION AGG	MIXTURE "C"	MIXTURE "C"

MIXTURE USE
AC/PG
RAP % (MAX)
DESIGN AIR VOIDS
MIX COMPOSITION
(GRADATION MIXTURE)
FRICTION AGG

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

INDEX OF SHEETS

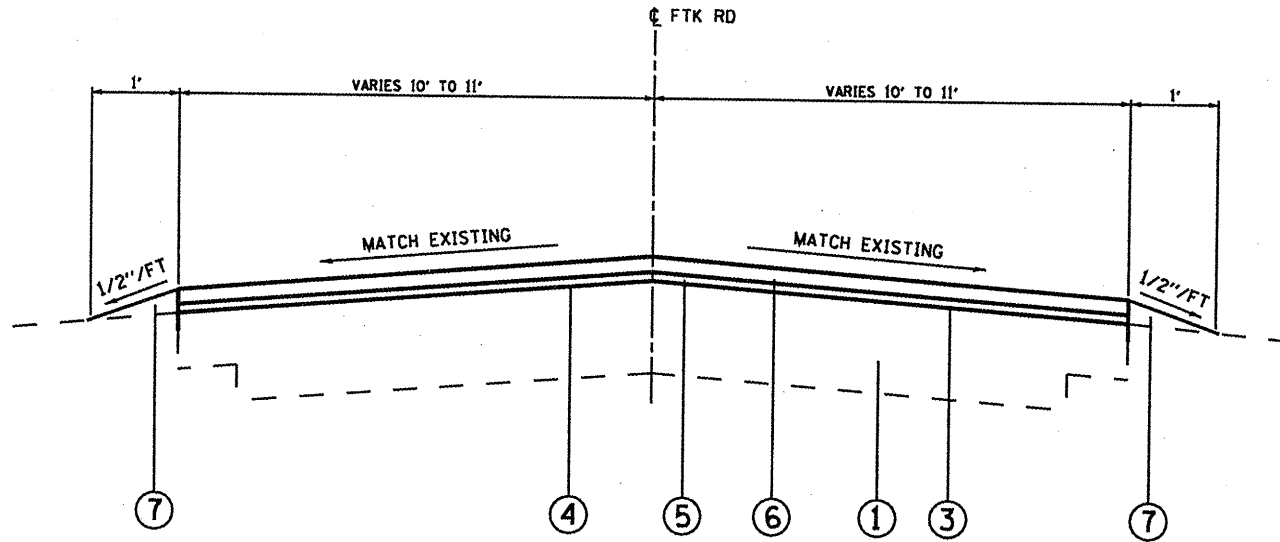
COVER SHEET	1
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SUMMARY OF QUANTITIES	3
TYPICAL SECTIONS	4
LOCATION MAP	5
SCHEDULE OF QUANTITIES	6
MISCELLANEOUS DETAILS	7-8

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS	OR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = #DATE#	DATE - -----	REVISED - ---			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE: -----	SHEET NO. -- OF --- SHEETS	STA. -----	TO STA. -----		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			80% FED. 20% STATE TOTAL	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	QUANTITIES	1000			CODE NO	ITEM	UNIT	TOTAL QUANTITIES			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	37	37									
40600300	AGGREGATE (PRIME COAT)	TON	57.1	57.1									
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1330	1330									
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	546.1	546.1									
40600990	TEMPORARY RAMP	SO YD	91.1	91.1									
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	1988	1988									
48101200	AGGREGATE SHOULDERS, TYPE B	TON	247.9	247.9									
67100100	MOBILIZATION	L SUM	1	1									
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1									
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1									
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1868	1868									
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	311.3	311.3									
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14932.5	14932.5									
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1									
<i>* Specialty Items</i>													

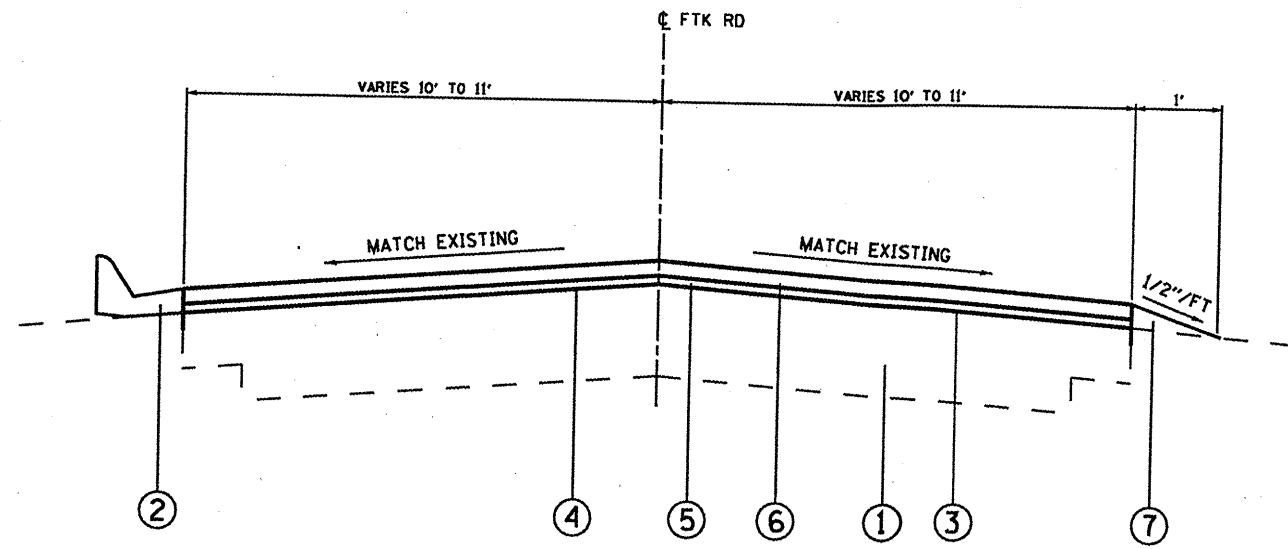
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PLOT DATE * 1/28/2018		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.



STA. 1+00 TO 74+91
 STA. 82+46 TO 94+38

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING CUTTER
- ③ EXISTING OVERLAY
- ④ PROPOSED BITUMINOUS AND AGGREGATE PRIME COAT
- ⑤ PROPOSED LEVEL BINDER 3/4"
- ⑥ PROPOSED SURFACE COURSE 1 1/2"
- ⑦ PROPOSED AGGREGATE WEDGE SHOULDER 1'



STA. 74+71 TO 82+46

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING CUTTER
- ③ EXISTING OVERLAY
- ④ PROPOSED BITUMINOUS AND AGGREGATE PRIME COAT
- ⑤ PROPOSED LEVEL BINDER 3/4"
- ⑥ PROPOSED SURFACE COURSE 1 1/2"
- ⑦ PROPOSED AGGREGATE WEDGE SHOULDER 1'

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		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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OR	SECTION	COUNTY	TOTAL	SHEET
RTE.			SHEETS	NO.
859	90-1-RS	RANDOLPH	8	4
FED. ROAD DIST. NO.			CONTRACT NO. 76072	
ILLINOIS FED. AID PROJECT				

PARK RD
82+29

CH 6
(FAS 861)

END 94+38

FT KASKASKIA RD



SINGER RD
15+26

BEGIN
1+00

0+00

SUNRISE CT
10+97

FILE NAME *	USER NAME * alfordb	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

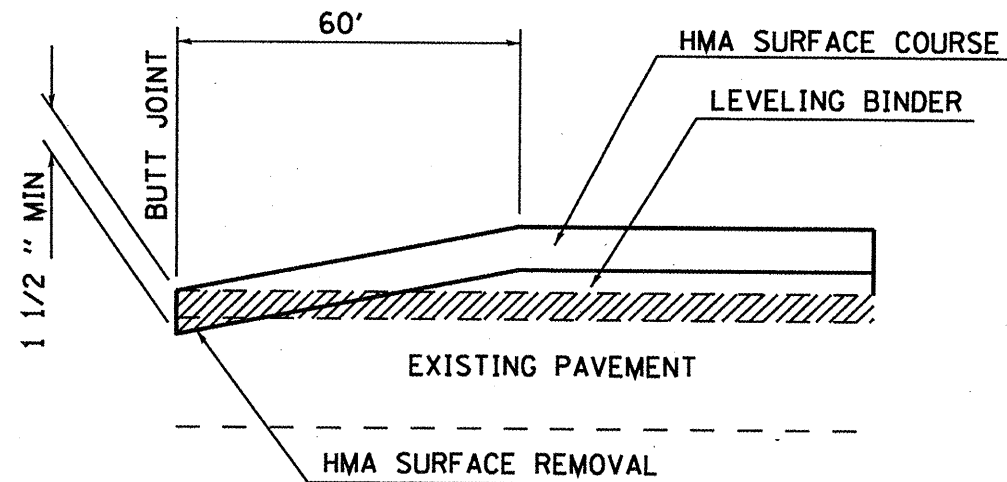
OR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
859	90-1-RS	RANDOLPH	8	5
CONTRACT NO. 76072				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

HMA RESURFACING							
LOCATION			SURFACE REMOVAL	BITUMINOUS MATERIALS (PRIME)	LEVELING BINDER 3/4"	HMA SURFACE 1 1/2"	AGG. SHLDRS TYPE B (1')
STA.	TO	STA.	(SQ YD)	(TON)	(TON)	(TON)	(TON)
1+00	TO	94+38		35.7	958.7	1917.4	247.9
BUTT JOINT	@	1+00 (BEGIN JOB)	146.7	0.25		15.6	
BUTT JOINT	@	PARK ROAD (82+29 RT)	99.4	0.20		10.6	
ENTRANCES	&	SIDE ROADS		0.31		12.4	
BUTT JOINT	@	94+38 (END JOB)	300.0	0.45		31.9	
SURFACE	&	SLOPE IMPERFECTIONS			370.7		
TOTALS:			546.1	37	1329	1988	247.9

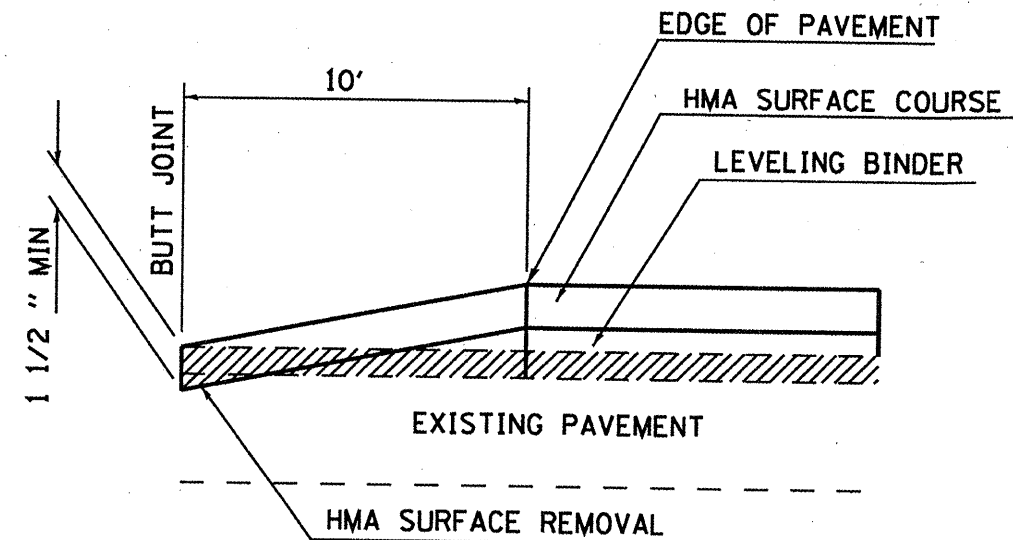
THERMOPLASTIC PAVEMENT MARKING -LINE 4"					
LINE 4 INCH					
LOCATION			DOUBLE YELLOW	SOLID YELLOW (NPZ)	YELLOW SKIP DASH
STA	TO	STA	(FOOT)	(FOOT)	(FOOT)
FORT KASKASKIA RD					
1+00	TO	11+45			261.3
11+45	TO	18+05		660 (RT)	165
18+05	TO	23+53	1096		
23+53	TO	32+81		928 (LT)	232
32+81	TO	34+58	354		
34+58	TO	44+23		965 (RT)	241.2
44+23	TO	94+38	10030		
SUB-TOTAL			11480	2553	899.5
TOTAL:					14932.5

TEMPORARY RAMPS	
LOCATION/DESCRIPTION	TEMPORARY RAMPS (SQ YD)
STA 1+00 (BEGIN JOB)	12.2
PARK ROAD STA 82+29 (RT)	41.1
STA 94+38 (END JOB)	37.8
TOTAL:	91.1

FILE NAME *	USER NAME * e1fordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	OR	SECTION	COUNTY	TOTAL	SHEET	
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PLOT DATE * 1/28/2018		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.				



BUTT JOINT DETAIL
 LOCATION:
 STA. 1+00 (BEGIN)
 STA. 94+38 (END)



BUTT JOINT DETAIL AT SIDE ROAD
 LOCATION:
 STA. 82+29 RT (PARK RD)

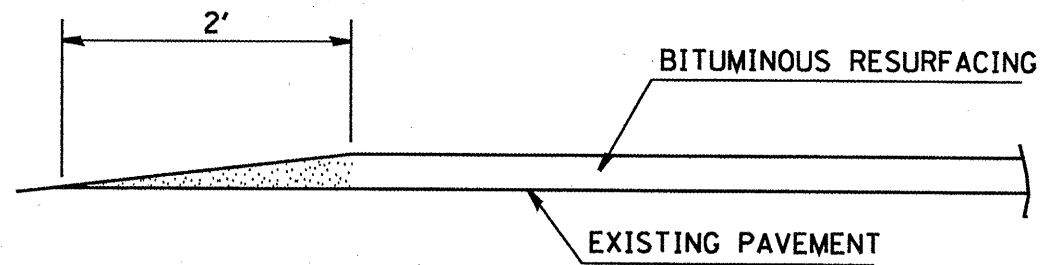
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

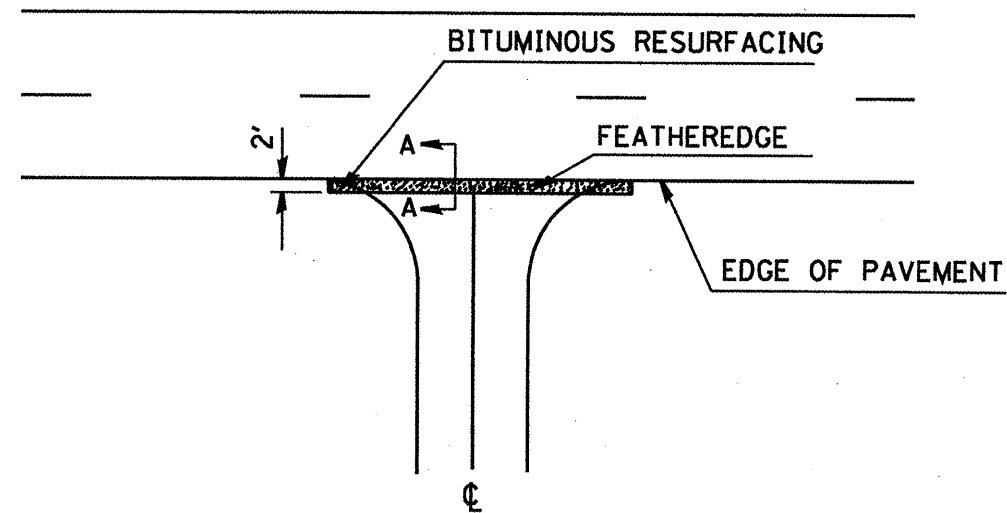
BUTT JOINT DETAILS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

OR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
859	90-1-RS	RANDOLPH	8	7
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 76072	

ENTRANCE DETAIL



FEATHEREDGE DETAIL
SECTION A-A

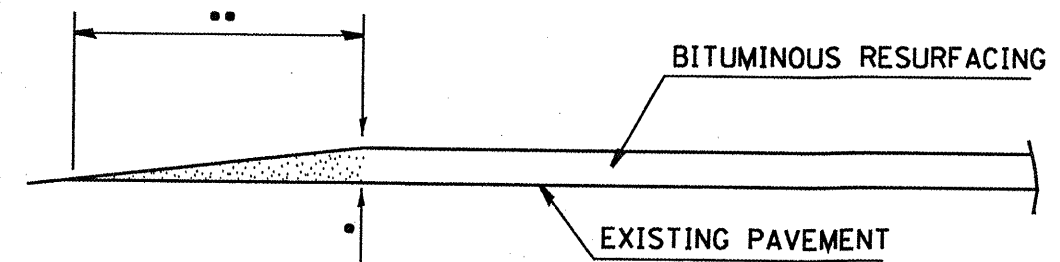


ENTRANCE DETAIL

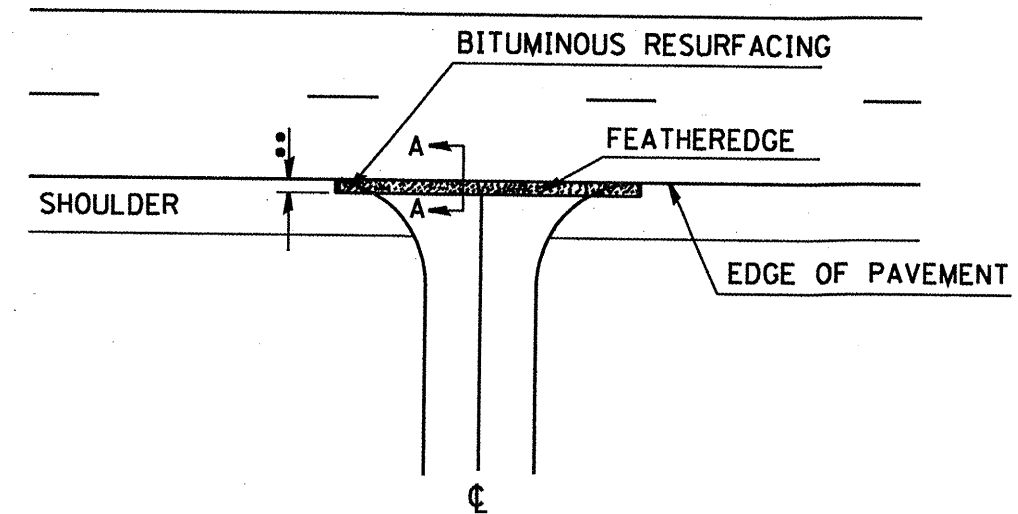
LOCATION:

STA. 1+16 LT	STA. 12+77 RT
STA. 1+37 RT	STA. 13+78 RT
STA. 2+68 RT	STA. 20+82 LT
STA. 5+21 LT	STA. 21+76 LT
STA. 6+87 LT	STA. 30+81 LT
STA. 4+01 RT	STA. 30+94 RT
STA. 10+11 RT	STA. 32+61 LT
STA. 10+44 RT	STA. 34+13 LT
STA. 11+26 RT	STA. 93+87 RT
STA. 11+96	

SIDEROAD DETAIL



FEATHEREDGE DETAIL
SECTION A-A



SIDEROAD DETAIL

LOCATION:

STA. 10+97 LT
STA. 15+26 RT

*EOP ELEVATION CHANGE	**TOTAL TRANSITION LENGTH
3/4"	3.5'
1"	5'
1-1/2"	7.5'
2"	10'
2-1/2"	12.5'
3"	15'
3-1/2"	17.5'
4"	20'
4-1/2"	22.5'
5"	25'
5-1/2"	27.5'
6"	30'

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PLOT SCALE * 1/8" = 1' / IN.		CHECKED -	REVISED -
PLOT DATE * 1/28/2018		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND SIDEROAD DETAILS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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OR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
859	90-1-RS	RANDOLPH	8	8
CONTRACT NO. 75072				
ILLINOIS FED. AID PROJECT				